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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/394,824	09/13/1999	RICK CHIN	SOM-01601	4941

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EXAMINER

VO, CLIFF N

ART UNIT	PAPER NUMBER
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2671

DATE MAILED: 05/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/394,824

Applicant(s)

CHIN ET AL.

Examiner

CLIFF N VO

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-15 and 17-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 13-15, 17-18 and 27-42 is/are allowed.
- 6) ☒ Claim(s) 19,20,26,43 and 44 is/are rejected.
- 7) ☒ Claim(s) 21-25 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Applicant is advised that the Notice of Allowance mailed is vacated. If the issue fee has already been paid, applicant may request a refund or request that the fee be credited to a deposit account. However, applicant may wait until the application is either found allowable or held abandoned. If allowed, upon receipt of a new Notice of Allowance, applicant may request that the previously submitted issue fee be applied. If abandoned, applicant may request refund or credit to a specified Deposit Account.
2. The indicated allowability of claims 19-20, 26 and 43-44 is withdrawn in view of the newly discovered reference(s) to Hanratty (U.S. Patent No. 5,990,897). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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4. Claims 43-44 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Hanratty (U.S. Patent No. 5,990,897).

As per independent claim 43, Hanratty teaches a method and system for automatically generating/displaying a three dimensional model (col.4, lines 61-64) comprising a step of generating a plurality of different views of a same model (col.5, lines 49-62), a step of automatically arranging the views as sections of a same drawing (col.6, lines 21-22), wherein automatically arranging comprising applying rules (col.6, lines 21-29 and col.9, line 35 through col.10, line 31) conforming the arrangement of the views to a drafting standard (Fig.3 shows the arrangement of top, sides and bottom views conforms to a standard arrangement used in drafting) and a step of displaying the drawing (col.7, lines 40-47).

As per dependent claim 44, Hanratty further teaches wherein the arranged views comprise a first view and a second view and the second view is a projection of the first view (Fig.3, col.5, lines 49-59), and arranging to drafting standards comprises arranging in a horizontal or vertical alignment confronting to a drafting standard selected from a group consisting of an ANSI and ISO drafting standards (Fig.3, col.6, lines 1-7).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 19-20 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hanratty (U.S. Patent No. 5,990,897).

As per independent claim 19, Hanratty teaches a method and system for automatically/displaying a three dimensional having a plurality of two dimensional views associated therewith, each view having a representation of the model from a predetermined viewpoint (col.4, lines 61-64; col.5, lines 49-65) comprising a step of generating/displaying each two dimensional views of the model according each predetermined rotating angle respectively (col.26, lines 27-49). This implies that Hanratty discloses the steps of rotating the model to represent a first one of the views and continuing rotating the model to present other views of the model as now claimed.

It should be noticed that Hanratty fails to teach a step of pausing to show each two dimensional views of the model to the user. However, such a technique of pausing to show each of a plurality of drawings/images upon to the user's selection was commonly well-known in the art at the time the invention was made. It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the concept of pausing to show each of a plurality of two dimensional views into Hanratty's system in order to make it more user-friendly since the main purpose of Hanratty's system is to generate/display a plurality of two dimensional views associated with a three dimensional object to the user.

As per dependent claim 20, the system of Hanratty which includes the concept of pausing to show each of a plurality of two dimensional views upon to the user's selection as mentioned in above would have explicitly included a step, in response to

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the user indicating that rotation should stop, of suspending rotation until the user indicates otherwise as now claimed.

As per dependent claim 26, Hanratty further suggests the claimed features at Fig.3.

Allowable Subject Matter

7. Claims 13-15, 17-18 and 27-42 are allowed.
8. Claims 21-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CLIFF N VO whose telephone number is 571-272-7651. The examiner can normally be reached on 2nd Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MARK K ZIMMERMAN can be reached on 571-272-7653. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cliff Vo
4/16/2005

CW

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